



Michigan 9-1-1 GIS Repository and U.P Next Generation 9-1-1 Project

April 19, 2017

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ENHANCE 9-1-1 Act Grant Project

- Created a central 9-1-1 GIS Repository
 - Enabling PSAPs to share GIS information
 - Establishing MOAs
 - Setting standards for GIS data exchange
 - Future framework for NG9-1-1 database
- Statewide Public Safety Answering Point (PSAP) Boundary Layer
- Statewide Road Centerline Layer
- Address Points and Emergency Service Zone layer are optional

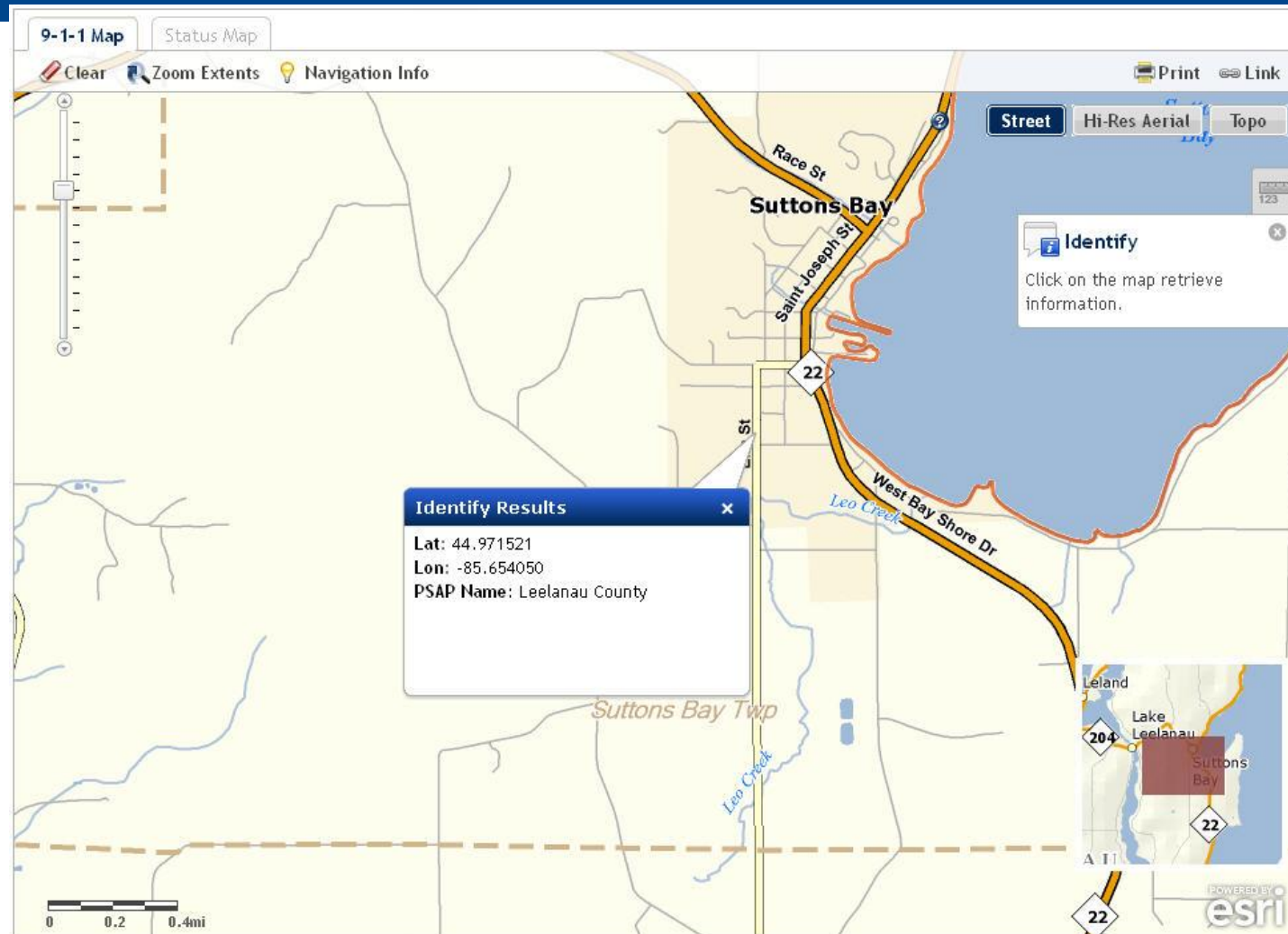
Functionality of System

- Management of user permissions and access to data
- Import GIS data into repository
 - Field mapping to repository standard
 - QA/QC tools to validate data and downloadable report
- Export tool
 - Export data back out to your data schema
 - Export other PSAPs data (need export permission from PSAP)
- Data Viewer
 - PSAPs can use viewer as a mapping tool
 - Search, measure, aerial imagery, topographic images
- Backup of data and securely accessible outside of PSAP

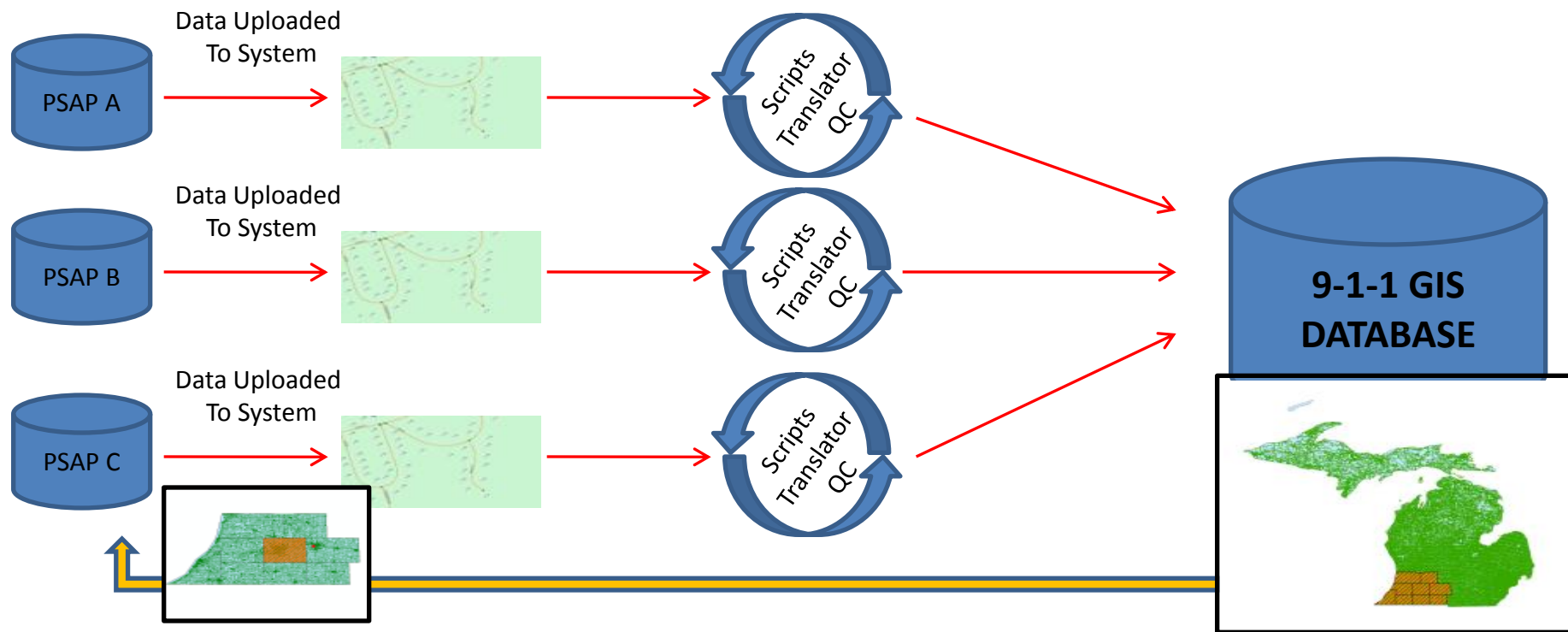
Data Viewer

- Potential Uses
 - Only available for public safety via secure log in
 - The data viewer could benefit PSAPs where mapping does not currently exist for dispatch
 - The data viewer can be used to search addresses in other jurisdictions
 - Supplemental map to existing systems
 - Accessible via wireless in field or mobile command
 - Can be accessed in an EOC during large incident crossing multiple jurisdictions

Data Viewer



Data Import and Export



Data Import

9-1-1 Map

Status Map

Data Wizard

and click on 'Next' to continue.

Please match data fields.

ROAD CENTERLINES

Match Fields

<u>Repository Standards</u>	<u>Your Shapefile Fields</u>
SOURCE (type:A) *	SOURCE
DATEUPD (type:D) *	DATEUPD
EFFDATE (type:D)	
RCLID (type:A) *	RCLID
COUNTRY (type:A) *	COUNTRY
STATE_L (type:A) *	STATE_L
STATE_R (type:A) *	STATE_R
COUNTY_L (type:A) *	COUNTY_L
COUNTY_R (type:A) *	COUNTY_R
MUNI_L (type:A) *	MUNI_L
MUNI_R (type:A) *	MUNI_R
MCDDIV_L (type:A) *	
MCDDIV_R (type:A) *	
UNCORP_L (type:A)	
UNCORP_R (type:A)	

Data Import

9-1-1 Map Status Map Data Wizard

Search an address, city, zip, and more



Workflow

Listed below are tasks that were created by your edits to the geography or by changes other users have made that need your approval.

[Export Data](#) [Import Data](#)

Task	Step	Status	Date	Update
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Pending	09/06/2012	+
Export	End	Complete	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+
Edit	Approval	Pending (1)	08/20/2012	+
Export	End	Complete	08/20/2012	+

9-1-1 Map

Status Map

Workflow Details

Data Wizard

to continue

Centerline QA/QC Report (Flag Summary)

Flag Name	Flags	Exceptions
Record_Count	3849	0
MUNI_LR_IsEmpty	1	0
EFFDATE_DatatypeNotValid	3849	0
LOGreaterThanHI	24	0
RangeContainsAllZeros	213	0
RangeParityInvalid	8	0
RangeOverlap	65	0
STSNoMatch	1	0
FlippedRange	12	0

Select a Flag Name above to see all records that failed that scrub.

Export with No Data (flags only): [Excel](#) [CSV](#)

Export with Data: [Excel](#) [CSV](#)

Data Export

9-1-1 GIS Grant Project

Search an address, city, zip, and more

No features found

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Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	08/29/2012	+
Import	QA/QC	Pending	08/29/2012	+

9-1-1 Map

Status Map

Workflow Details

Data Wizard

to continue.

Please match data fields.

ROAD CENTERLINES

Match Fields

Profile: My download Profile ☐ In-reverse from your upload profile

State Geodatabase	Your Shapefile Field
SOURCE (type:A) *	COUNTRY Type: Alphanumeric
DATEUPD (type:D) *	DATEUPD Type: Alphanumeric
EFFDATE (type:D) *	EFFDATE Type: Alphanumeric
RCLID (type:A) *	RCLID Type: Alphanumeric
COUNTRY (type:A) *	SOURCE Type: Alphanumeric
STATE_L (type:A) *	STATE_L Type: Alphanumeric
STATE_R (type:A) *	STATE_R Type: Alphanumeric
COUNTY_L (type:A) *	COUNTY_L Type: Alphanumeric
COUNTY_R (type:A) *	COUNTY_R Type: Alphanumeric
MUNI_L (type:A) *	MUNI_L Type: Alphanumeric
MUNI_R (type:A) *	MUNI_R Type: Alphanumeric
MCDDIV_L (type:A) *	MCDDIV_L Type: Alphanumeric
MCDDIV_R (type:A) *	MCDDIV_R Type: Alphanumeric

Data Export

Search an address, city, zip, and more



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Export	End	Complete	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
Import	QA/QC	Errors	09/06/2012	+
Import	QA/QC	Flags	09/06/2012	+
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[to continue](#)

Select a projection:

WGS_1984_Web_Mercator

☒ **Terms and Conditions:** As a data exporter you are agreeing to abide by the terms and conditions outlined in the Memorandum of Agreement for this 9-1-1 GIS data repository. The terms of the memorandum of agreement (MOA) outlines that the signed agreement is for the utilization of GIS data for 9-1-1 and public safety purposes within a statewide 9-1-1 GIS repository developed by CSSTP (9-1-1 GIS Program). All terms of GIS data use outlined in your agency's MOA with CSSTP must be adhered to. These include but are not limited to the following requirements:

Data originators participating in the 9-1-1 GIS repository authorize their 9-1-1 GIS data to be used by other PSAPs that are participating in the 9-1-1 GIS Program and who may request regional datasets to be used in their 9-1-1 systems.

In the event that a third party requests data, one of the following three scenarios will also apply:

1) If your agency receives a request for your own data, that request shall be subject to your Enhanced Access to Public Records policy. There is no need for the request to go through or be approved by DTMB/CSSTP.

[<< Previous](#)

[Process](#)

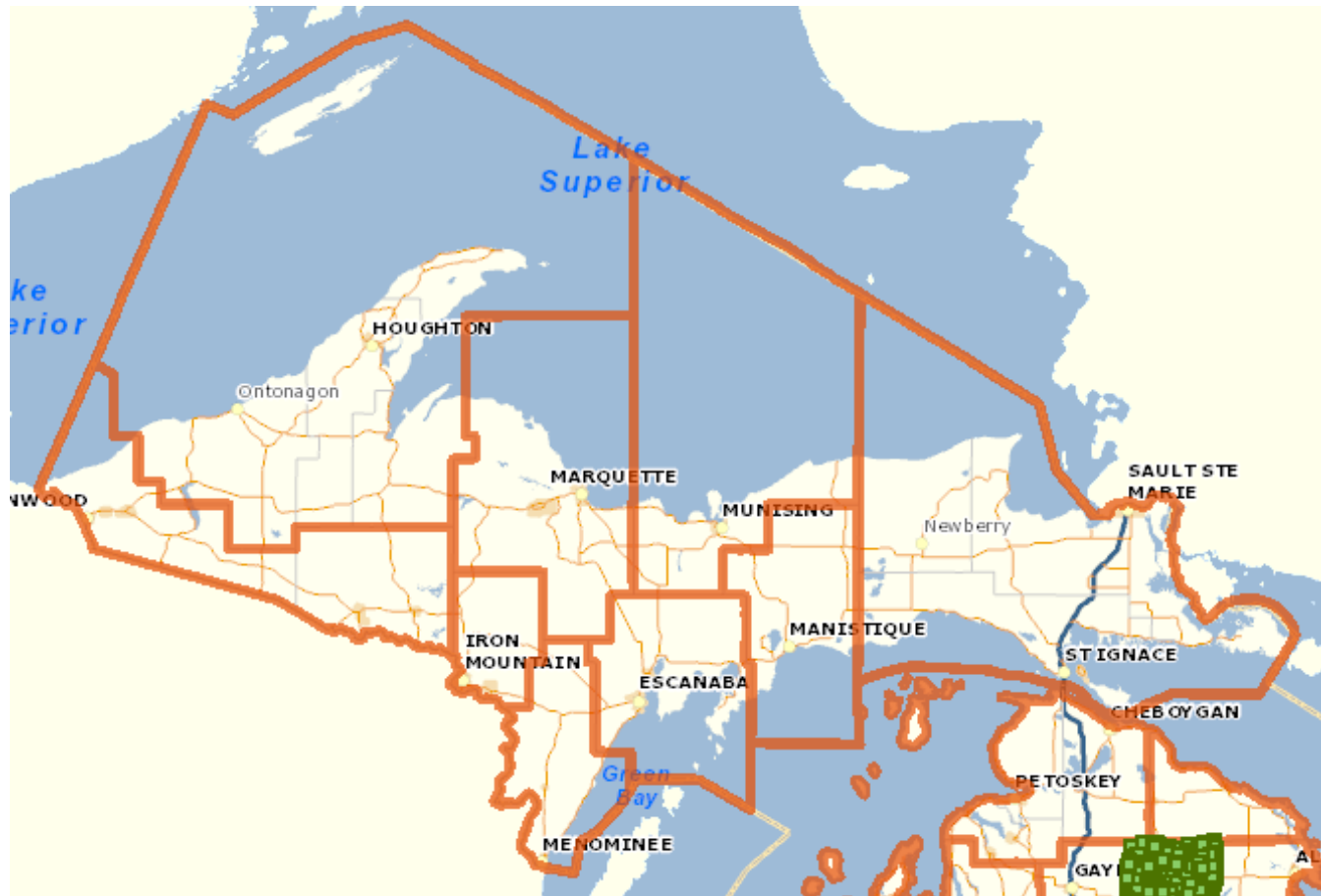
Original PSAP Boundaries



Nautical PSAP Boundaries

- Needed to have coverage on the waterways to reduce the number of default routed calls
- New boundaries developed based on Census Data
- PSAP Directors reviewed changes
- Nautical boundaries recently completed for lower peninsula

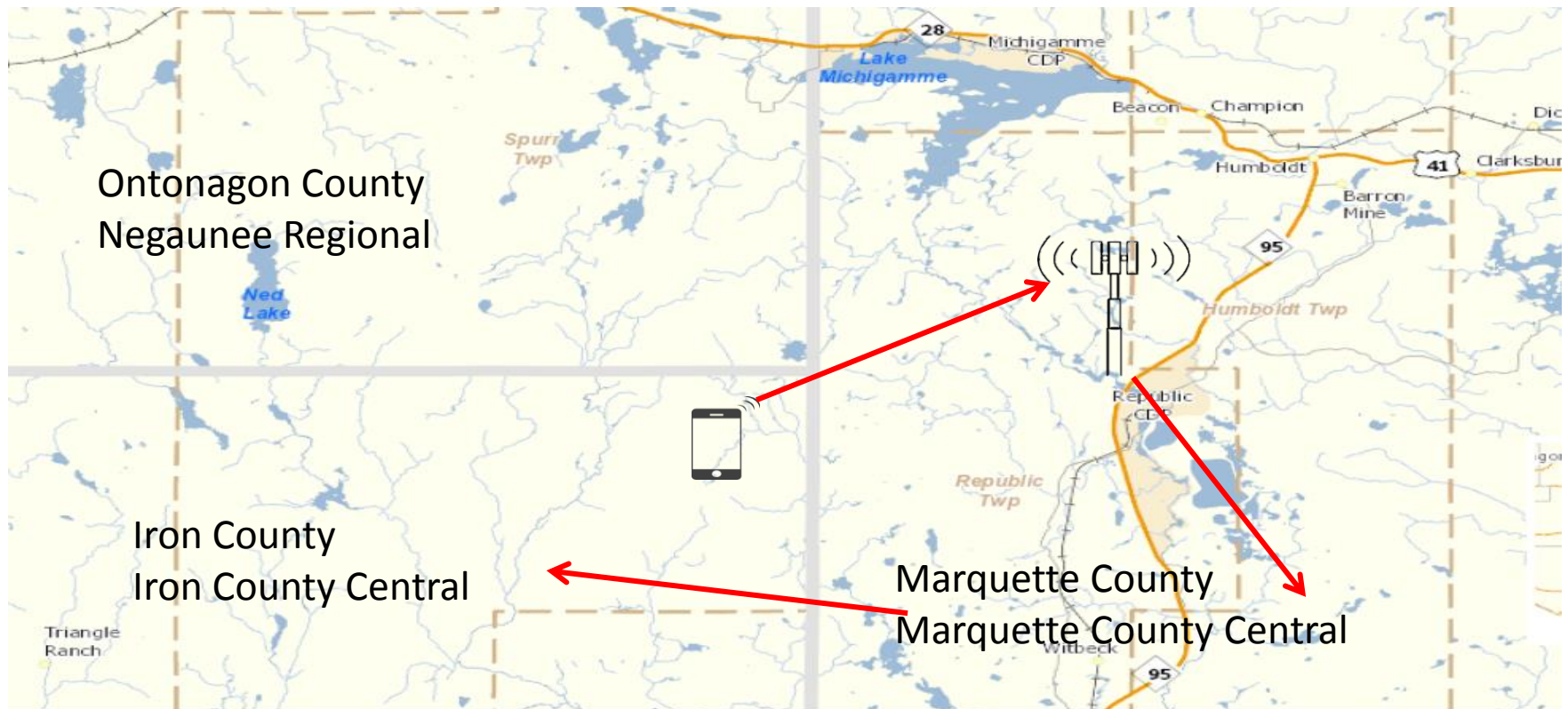
Nautical PSAP Boundaries



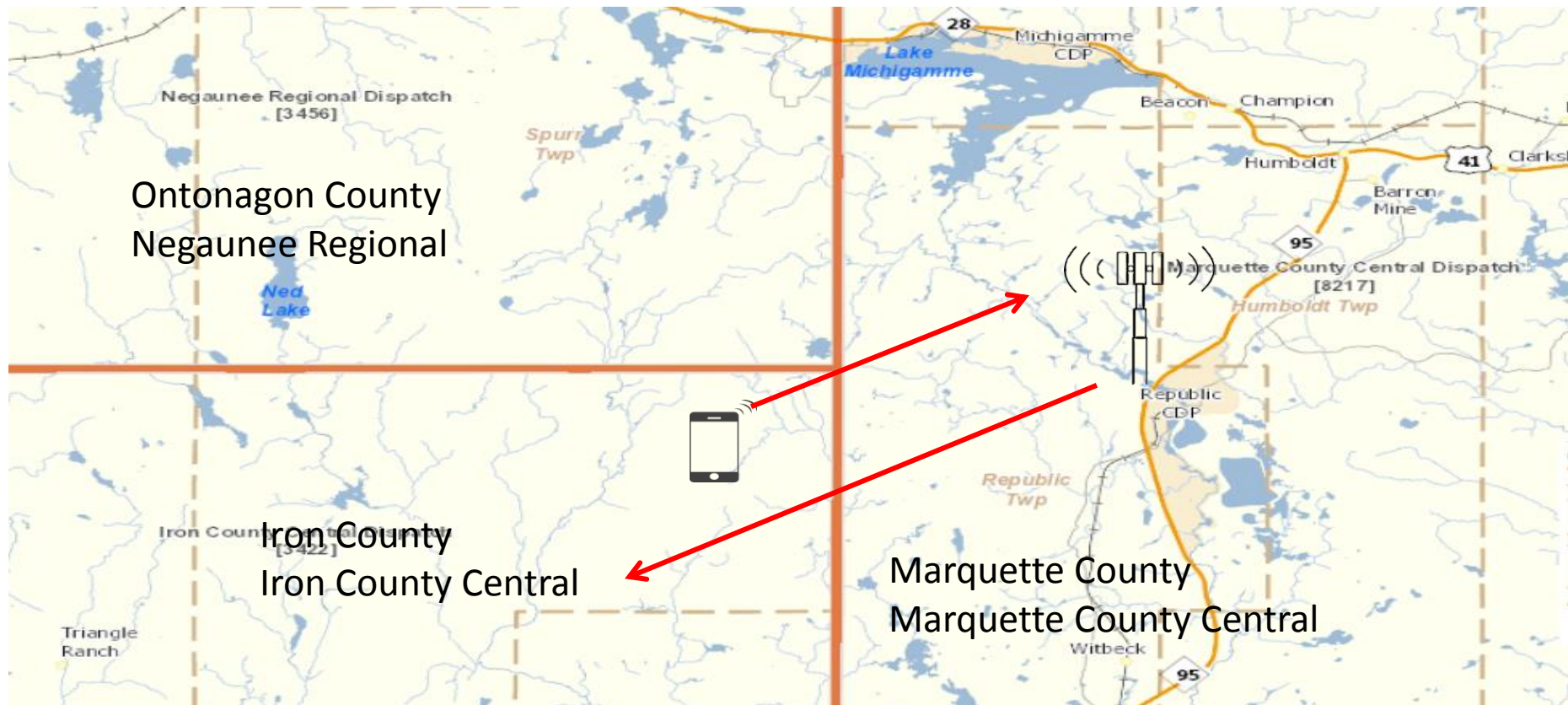
Geospatial Text Routing in the U.P.

- Routes based on phone location, not cell tower location.
- Will allow multi-county PSAPs to direct which call taker gets an incoming call/text, based on location of the phone.
- Platform to develop true 'Next Generation 911' technology in the U.P., including call routing in the future.
- Calls outside the geo-area are default routed to Marquette County.

Previous Text Routing



Geospatial Text Routing



GIS Data Sharing Agreements

- Non-Disclosure agreements signed by each county, PFN, and INdigital.
- Data is exported from the repository by INdigital to LVF/ECRF.
- All text messages in the U.P. are routed via GIS data
- Calls for Eastern three counties in the U.P will be routed via GIS data.

Single Sign-On

- State of Michigan employees
 - <https://miloginworker.michigan.gov>
- Non-State of Michigan employees
 - <https://milogintp.michigan.gov>



HELP CONTACT US

MILogin for Third Party

Login to your account

User ID

Password

LOGIN

SIGN UP

Forgot your User ID?

Need Help?

Forgot your password?

Single Sign-On



MILogin for Workers

[HOME](#)[REQUEST ACCESS](#)[UPDATE PROFILE](#)[LOGOUT](#)

<NAME>

Home Page

Access your applications by clicking on the application links below



Michigan State Police (MSP)

911 GIS Data Repository

User Request Form

STATE OF MICHIGAN GIS REPOSITORY USER REQUEST

To register application users, the PSAP Director must provide the information in this table and return it via e-mail to homantc@michigan.gov or fax it to (517) 284-3034, Attn: Ms. Cynthia Homant. A description of each role is provided below the table.

911 Repository Role	Name	Organization	Email and phone #
PSAP Administrator			
Alternate PSAP Administrator(s) (Optional)			
Data Importer(s)			
Data Exporter(s)			
Restricted Administrator			

Name: _____ Signature: _____

If you have any questions or concerns about this process, please contact:
Ms. Cynthia Homant homantc@michigan.gov at MSP at (517) 284-3032, fax (517) 284-3034 or
Mr. Mark Holmes, holmesm3@michigan.gov at CSS at (517) 373-7910, fax (517) 373-2939.

PSAP Administrator – This role is established for the person who will be managing the accounts for the users within a specific PSAP jurisdiction. This role will typically be assigned to the 911 Director. This access is limited to PSAPs that are a branch of the entity that is party to the 'memorandum of understanding' for the 911 GIS Repository.

Alternate PSAP Administrator(s) (optional) – This role is established for a person to provide a backup role to the PSAP Administrator for assigning logins or accounts. This role will have the same permissions level in the system as the PSAP Administrator.

Data Importer(s) – This role is established for a person who will be providing GIS data updates to the repository system. This role can be assigned to a PSAP staff member, county GIS department staff member or a vendor. This role is typically assigned to the person who is maintaining the GIS data.

Data Exporter(s) – This role is established for a person who will be extracting GIS data from the repository for 911 purposes on a regular basis. For example, the data exporter might be the person who typically integrates GIS data with existing CAD systems.

Restricted Administrator - This role is established as a 'view only' for PSAPs that are not a branch of the government which is party to the 'memorandum of understanding' for the 911 GIS Repository.

Upcoming Webinar

Learn more about the mechanics of accessing, importing, and exporting from the repository.

Wednesday, June 7, 2017
10am-noon

*Contact Cindy Homant to register at
homantc@michigan.gov or 517-284-3032.*